

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1 (currently amended): An isolated polynucleotide comprising:

- (a) a nucleotide sequence encoding a polypeptide having pantothenate synthetase activity, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:~~2, 4, 7, 9, 11, or 13~~ have at least 85% sequence identity based on the Clustal alignment method, or
- (b) the complement of the nucleotide sequence, wherein the complement and the nucleotide sequence contain the same number of nucleotides and are 100% complementary.

2 (currently amended): The polynucleotide of Claim 1, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:~~2, 4, 7, 9, 11, or 13~~ have at least 90% sequence identity based on the Clustal alignment method.

3 (currently amended): The polynucleotide of Claim 1, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:~~2, 4, 7, 9, 11, or 13~~ have at least 95% sequence identity based on the Clustal alignment method.

4 (currently amended): The polynucleotide of Claim 1, wherein the polypeptide comprises the amino acid sequence of SEQ ID NO:~~2, 4, 7, 9, 11, or 13~~.

5 (original): The polynucleotide of Claim 1, wherein the nucleotide sequence comprises the nucleotide sequence of SEQ ID NO:~~1, 3, 5, 6, 8, 10, or 12~~.

6 (original): A vector comprising the polynucleotide of Claim 1.

7 (original): A recombinant DNA construct comprising the polynucleotide of Claim 1 operably linked to a regulatory sequence.

8 (original): A method for transforming a cell comprising transforming a cell with the polynucleotide of Claim 1.

9 (original): A cell comprising the recombinant DNA construct of Claim 7.

10 (original): A method for producing a plant comprising transforming a plant cell with the polynucleotide of Claim 1 and regenerating a plant from the transformed plant cell.

11 (original): A plant comprising the recombinant DNA construct of  
Claim 7.

12 (original): A seed comprising the recombinant DNA construct of  
Claim 7.

13 (cancelled)

14-19 (withdrawn)